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A. D. Kulkarni

January 1990 **Proceedings of the 1990 ACM annual conference on Cooperation**

Publisher: ACM Press

Full text available:  [pdf\(584.97 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

No imaging system in practice is perfect, in fact the recorded images are always distorted or of finite resolution. An image recording system can be modeled by a Fredholm integral equation of the first kind. An inversion of the kernel representing the system, in the presence of noise, is an ill posed problem. The direct inversion often yields an unacceptable solution. In this paper, we suggest an Artificial Neural Network (ANN) architecture to solve ill posed problems in the presence of noi ...

2 Experience with the virtual notebook system: abstraction in hypertext

Jerry Fowler, Donald G. Baker, Ross Dargahi, Vram Kouramajian, Hillary Gilson, Kevin Brook

Long, Cynthia Petermann, G. Anthony Gorry

October 1994 **Proceedings of the 1994 ACM conference on Computer supported cooperative work**

Publisher: ACM Press

Full text available:  [pdf\(1.49 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The Virtual Notebook System (VNS) is a distributed collaborative hypertext system that has made a successful transition from research prototype to commercial product. Experience in developing and deploying the VNS in diverse settings including biomedical research, undergraduate education, and collaborative system prototyping has developed insight into the use of systems for computer-supported cooperative work (CSCW). This paper provides a brief overview of the VNS, discusses some of its str ...

Keywords: CSCW, Dexter model, VNS, VOM, collaboration, consortium, hypertext, memento, metaphor

3 Database systems I: Database management for multimedia distributed collaborative writing

A. Wesley Wear, Yu Gong, Kai H. Chang

March 1995 **Proceedings of the 33rd annual on Southeast regional conference ACM-SE 33**

Publisher: ACM Press

Full text available:  [pdf\(900.65 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

Traditional computer applications have been designed to be run by one user at a time who

does some work in a single medium, such as ASCII text, and very little regard has been given to the fact that people often work together. With the recent development of computer networks and the widespread deployment of networked workstations, automating the group writing process for geographically distributed users has become feasible. In this paper, a software package which supports distributed, real-time, ...

4 On computer supported collaborative writing tools for distributed environments

◆ Kai H. Chang, Yu Gong, Tim Dollar, Shefali Gajiwala, Byong Lee, A. Wesley Wear
February 1995 **Proceedings of the 1995 ACM 23rd annual conference on Computer science**

Publisher: ACM Press

Full text available:  [pdf\(1.12 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



5 Envisioning communication: task-tailorable representations of communication in

◆ asynchronous work
Christine M. Neuwirth, James H. Morris, Susan Harkness Regli, Ravinder Chandhok, Geoffrey C. Wenger

November 1998 **Proceedings of the 1998 ACM conference on Computer supported cooperative work**

Publisher: ACM Press

Full text available:  [pdf\(1.18 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



Keywords: asynchronous communication, awareness, collaborative work, electronic mail, external representations, incremental formalization, interfaces, visualization

6 An annotated bibliography of computer supported cooperative work

◆ Saul Greenberg
July 1991 **ACM SIGCHI Bulletin**, Volume 23 Issue 3

Publisher: ACM Press

Full text available:  [pdf\(4.27 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



Computer-supported cooperative work (CSCW) is a new multi-disciplinary field with roots in many disciplines. Due to the area's youth and diversity, few specialized books or journals are available, and articles are scattered amongst diverse journals, proceedings and technical reports. Building a CSCW reference library is particularly demanding, for it is difficult for the new researcher to discover relevant documents. To aid this task, this article compiles, lists and annotates some of the current ...

7 Experiments with Oval: a radically tailorable tool for cooperative work

◆ Thomas W. Malone, Kum-Yew Lai, Christopher Fry
April 1995 **ACM Transactions on Information Systems (TOIS)**, Volume 13 Issue 2

Publisher: ACM Press

Full text available:  [pdf\(2.54 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)



This article describes a series of tests of the generality of a "radically tailorable" tool for cooperative work. Users of this system can create applications by combining and modifying four kinds of building blocks: objects, views, agents, and links. We found that user-level tailoring of these primitives can provide most of the functionality found in well-known cooperative work systems such as gIBIS, Coordinator, Lotus Notes, and Information Le ...

Keywords: computer-supported cooperative work, end-user programming, groupware, radical tailorability

8 The role of hypertext for CSCW applications

 Norbert Streitz, Frank Halasz, Hiroshi Ishii, Tom Malone, Chris Neuwirth, Gary Olson
September 1991 **Proceedings of the third annual ACM conference on Hypertext**

Publisher: ACM Press

Full text available:  [pdf\(758.46 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

9 Distributed form management

 Heikki Hämmänen, Eero Eloranta, Jari Alasuvanto
January 1990 **ACM Transactions on Information Systems (TOIS)**, Volume 8 Issue 1

Publisher: ACM Press

Full text available:  [pdf\(2.24 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

An open architecture for distributed form management is described. The model employs object-orientation in describing organizational units as well as individual users as entities with uniform external interfaces. Each entity is represented by an autonomous user agent which operates on local and migrating forms. The form concept encapsulates data, layout, and rules into a unified object which is the basic unit of presentation, processing, storage, and commun ...

10 Noncommand user interfaces

 Jakob Nielsen
April 1993 **Communications of the ACM**, Volume 36 Issue 4

Publisher: ACM Press

Full text available:  [pdf\(6.81 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

11 Extending the Potts and Bruns model for recording design rationale

Jintae Lee
May 1991 **Proceedings of the 13th international conference on Software engineering**

Publisher: IEEE Computer Society Press

Full text available:  [pdf\(1.09 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#)

12 A high-level and flexible framework for implementing multiuser user interfaces

 Prasun Dewan, Rajiv Choudhary
October 1992 **ACM Transactions on Information Systems (TOIS)**, Volume 10 Issue 4

Publisher: ACM Press

Full text available:  [pdf\(2.82 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We have developed a high-level and flexible framework for supporting the construction of multiuser interfaces. The framework is based on a generalized editing interaction model, which allows users to view programs as active data that can be concurrently edited by multiple users. It consists of several novel components including a refinement of both the Seeheim UIMS architecture and the distributed graphics architecture that explicitly addresses multiuser interaction; the abstractions of sha ...

Keywords: computer-supported cooperative work, editing, groupware, user interface management systems

13 Using persistent objects to implement an environment for coopertive work

Christian . Madsen

◆ December 1989 **ACM SIGOIS Bulletin**, Volume 10 Issue 4

Publisher: ACM Press

Full text available: [pdf\(724.78 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

".. the hottest topic in software technology" it said in the call for papers of this event. Another fairly hot area, although in a different branch of the field of computer science is that of Computer Support for Cooperative Work. This paper attempts to give some directions for the development of a concept of persistent objects from the point of view of computer support for cooperative work. Based on a concrete design of an office system and the implementation of this system it is pointed out th ...

14 The 1988 CSCW: trip report

◆ S. Greenberg

August 1989 **ACM SIGCHI Bulletin**, Volume 21 Issue 1

Publisher: ACM Press

Full text available: [pdf\(689.89 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Computer-supported cooperative work (CSCW) is a new research field focused on the role of the computer in group work. On one hand it is technology-driven, motivated by such things as distributed computing, network file systems, electronic messaging, and high-bandwidth communication channels. On the other hand, it is socially-driven, motivated by studies of group interaction.

15 Augmenting SADT to develop computer support for cooperative work

David A. Marca

May 1991 **Proceedings of the 13th international conference on Software engineering**

Publisher: IEEE Computer Society Press

Full text available: [pdf\(1.18 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#)

16 Distributed facilitation: a concept whose time has come?

◆ Shelli Dubs, Stephen C. Hayne

December 1992 **Proceedings of the 1992 ACM conference on Computer-supported cooperative work**

Publisher: ACM Press

Full text available: [pdf\(899.86 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

17 COMPUTER SYSTEMS SUPPORTING COOPERATIVE WORK: A CSCW '90 TRIP

◆ **REPORT**

Scott Henninger

July 1991 **ACM SIGCHI Bulletin**, Volume 23 Issue 3

Publisher: ACM Press

Full text available: [pdf\(480.59 KB\)](#) Additional Information: [full citation](#), [abstract](#)

Computer Supported Cooperative Work (CSCW) is a relatively young research field that concerns itself with issues of using computers to support working groups. The third meeting of this biannual conference, CSCW '90, held last October in Los Angeles, brought together a mix of researchers, primarily from social sciences, computer science, business, and psychology. Over 500 researchers and developers attended the conference. There were 30 papers presented in non-overlapping sessions. The papers wer ...

18 Active mail—a framework for implementing groupware

◆ Yaron Goldberg, Marilyn Safran, Ehud Shapiro

December 1992 **Proceedings of the 1992 ACM conference on Computer-supported cooperative work**

Publisher: ACM Press

Full text available: Additional Information:

 pdf(1.09 MB)[full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: active messages, electronic mail, groupware, meeting scheduling, shared editing

19 The facilitators perspective on meetings and implications for group support systems 



Stephen C. Hayne

September 1999 **ACM SIGMIS Database**, Volume 30 Issue 3-4**Publisher:** ACM PressFull text available:  pdf(1.62 MB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

Based on research into group process facilitation, a meeting model is proposed that defines the many activities comprising group work and highlights the critical facilitator actions. Facilitating group work is a dynamic process that involves managing relationships among people, tasks and technology, as well as structuring the interactions contributing to an effective meeting. By examining existing group support systems (GSS), it is shown that assistance for facilitation is low. With this informa ...

Keywords: collaboration, electronic data interorganizational meetings, facilitation, group support systems

20 Applications and architecture: SHOCK: communicating with computational messages 



Rajan M. Lukose, Eytan Adar, Joshua R. Tyler, Caesar Sengupta

May 2003 **Proceedings of the 12th international conference on World Wide Web****Publisher:** ACM PressFull text available:  pdf(693.99 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

A computationally enhanced message contains some embedded programmatic components that are interpreted and executed automatically upon receipt. Unlike ordinary text email or instant messages, they make possible a number of useful applications. In this paper, we describe a general and flexible messaging system called SHOCK that extends the functionality of prior computational email systems by allowing XML-encoded SHOCK messages to interact with an automatically created profile of a user. These pr ...

Keywords: collaborative systems, networking and distributed web applications, privacy and preferences

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21 [Three-dimensional visualization of microstructures](#)

Marco Lanzagorta, Milo V. Kral, J. Edward Swan, George Spanos, Rob Rosenberg, Eddy Kuo
 October 1998 **Proceedings of the conference on Visualization '98**

Publisher: IEEE Computer Society Press

Full text available: [pdf\(759.32 KB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



22 [Harnessing technology for effective inter- and intra-institutional collaboration: report of the ITICSE '97 working group on supporting inter- and intra-institutional collaboration](#)



Douglas Siviter, Marian Petre, Bruce Klein
 October 1997 **ACM SIGCUE Outlook**, Volume 25 Issue 4

Publisher: ACM Press

Full text available: [pdf\(2.66 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The computer science discipline is well poised to provide leading examples of harnessing communications and computer technologies in order to encourage collaborative practices both within and between institutions. Students, academics, and institutions all potentially have access to their counterparts world-wide. This provides endless opportunities for sharing knowledge, accessing scarce expertise, making effective re-use of limited resources, collaborating to attract funding and influence polici ...

23 [Harnessing technology for effective inter- and intra-institutional collaboration \(report of the ITICSE '97 working group on supporting inter- and intra institutional collaboration\)](#)



Douglas Siviter, Marian Petre, Bruce Klein

June 1997 **The supplemental proceedings of the conference on Integrating technology into computer science education: working group reports and supplemental proceedings**

Publisher: ACM Press

Full text available: [pdf\(145.01 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

24 [An approach to encounters and interaction in a virtual environment](#)



Norihiro Matsuura, Go Fujino, Ken-ichi Okada, Yutaka Matsushita
 March 1993 **Proceedings of the 1993 ACM conference on Computer science**

Publisher: ACM Press

Full text available:  [pdf\(808.62 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In this paper, we describe a new concept about a virtual environment on networked computers to support distributed collaborative work. We focus explicitly on tools to enable informal (casual) communications in contrast to most of the existing approaches of groupware applications. The establishment and maintenance of personal relationships is as indispensable in a virtual environment as in a physical environment, because the personal relationships lead the acquirement of new communic ...

25 Generating computer animated movies from a graphic console 

 S. E. Anderson
September 1970 **ACM SIGGRAPH Computer Graphics**, Volume 4 Issue 2

Publisher: ACM Press

Full text available:  [pdf\(335.62 KB\)](#) Additional Information: [full citation](#), [references](#)

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